

AFS

March 7, 2005

Attention: Diane Brockshus  
Iowa Department of Natural Resources  
Air Quality Bureau  
7900 Hickman Road, Suite 1  
Urbandale, IA 50322

REC'D

MAR 10 2005

APCO

SUBJECT: Facility # 07-02-006 EIQ # 92-5192 Operating Permit 04-TV-022  
UNI Power Plant  
MACT Initial Notification Report

Please find the subject report form for the boiler NESHAP deadline. One copy has been mailed to Mike Bronoski at the Kansas City EPA office.

If you have any questions regarding this report, please call Tom Richtsmeier at (319) 273-3057.

Sincerely,



Dean Shoars  
Director, Physical Plant

C: Tom Richtsmeier, UNI  
Chuck Fosselman, UNI

Mr. Mike Bronoski  
EPA Region 7  
901 N. 5<sup>th</sup> Street  
Kansas City, KS 66101

## INITIAL NOTIFICATION REPORT

### SECTION I GENERAL INFORMATION

This form is being submitted in accordance with 40 CFR 63.9(b) and as required by 40 CFR 63.7545.

If you own or operate an affected source, submit this report by MARCH 12, 2005, or WITHIN 120 CALENDAR DAYS after your boiler or process heater becomes subject to the National Emission Standards for Hazardous Air Pollutants for Industrial, Commercial, and Institutional Boilers and Process Heaters, whichever is later.

- A. Print or type the following information for each facility for which you are making initial notification: (§63.9(b)(2)(i)-(ii))

Operating Permit Number (IF AVAILABLE)		Facility I.D. Number (IF AVAILABLE)	
04-TV-022		07-02-006 19-013-00130 (No)	
Responsible Official's Name/Title			
Thomas Schellhardt, Vice President of Administration & Finance			
Street Address			
Gilchrist Hall 109, University of Northern Iowa			
City	State	ZIP Code	
Cedar Falls	IA	50614	
Facility Name			
University of Northern Iowa – Power Plant			
Facility Street Address (If different than Responsible Official's Street Address)			
30 <sup>th</sup> St and Nebraska St, Cedar Falls, IA 50614			
Facility Local Contact Name		Title	Phone
Tom Richtsmeier		Asst. Director, Energy Services	319-273-3057
City	State	ZIP Code	
Cedar Falls	IA	50614	

Check the box that applies. (§63.9(b)(2)(v))

- ☒ My facility is a major source of Hazardous Air Pollutants (HAP)
- ☐ My facility is an area source of HAP

*NOTE: A major source is a source that emits or has the potential to emit 10 tons per year, or more, of any one HAP or 25 tons per year, or more, of multiple HAP. All other sources are area sources. The major/area source determination is based on all HAP emission points inside the facility fence line, not just inside the facility itself.*

If you answered that your facility is an area source, the facility is not subject to this rule. Records of your applicability determination must be maintained on site for 5 years. See 40 CFR 63.10(b)(3). If you answered that your facility is a major source for HAP emissions, complete the remaining questions.

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C. Indicate the relevant standard or other requirement that is the basis for this notification and the source's compliance date: (§63.9(b)(2)(iii))

Basis for this notification (relevant standard or other requirement)	Anticipated Compliance Date (mm/dd/yy)
National Emission Standards for Hazardous Air Pollutants for Industrial, Commercial, and Institutional Boilers and Process Heaters (40 CFR Part 63, Subpart DDDDD)	September 13, 2007

## SECTION II SOURCE DESCRIPTION

A. Briefly describe the nature, size, design, and method of operation of the source.  
(§63.9(b)(2)(iv))

The University of Northern Iowa Power Plant is a cogeneration facility providing steam and electrical energy for campus use. The facility is in operation 24 hours a day, 365 days a year.

*NOTE: If the same information requested above is contained in a title V permit application or permit, you may attach the relevant pages from that document to this notification and reference those pages above.*

B. Identify the types of emission points within the affected source subject to the relevant standard and the types of hazardous air pollutants emitted. (§63.9(b)(2)(iv))

### Types of Emission Points

*NOTE: Boilers and process heaters are typically served by chimneys or stacks for flue gas release and dispersion.*

Boiler 1: 83.2 MMBtuh, oil/nat. gas with separate stack, EP-199-1

Boiler 2: 83.2 MMBtuh, oil/nat. gas with separate stack, EP-199-2

Boiler 3: 163.6 MMBtuh, pulverized coal with shared stack, EP-199-3

Boiler 4: 143.1 MMBtuh, CFB coal/pet coke with shared stack, EP-199-3

### Types of HAP Emitted

Check the boxes indicating the principal types of HAP emitted by the affected source (i.e., boilers and process heaters). Check all that apply. For example, coal and residual oil fired boilers or process heaters would typically emit all three types of HAP. Natural gas fired boilers or process heaters would typically emit organic HAP.

- ☒ Metal HAP (for example, arsenic, beryllium, cadmium, chromium, cobalt, lead, manganese, mercury, nickel, selenium)
- ☒ Organic HAP (for example, acetaldehyde, benzene, formaldehyde, toluene, xylenes)
- ☒ Acid gas HAP (for example, hydrogen chloride, hydrogen fluoride)

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**SECTION III  
SPECIFIC REQUIREMENTS**

Section 63.7545(b)(2) requires you to include in this Initial Notification a signed statement indicating whether your affected source has a federally enforceable permit that limits the annual capacity factor to less than or equal to 10 percent.

☐ My facility has a federally enforceable permit that limits the annual capacity factor to less than or equal to 10 percent for the following boilers and process heaters.


Use the facility identification number from section I.A.

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☒ My facility does not have federally enforceable permit that limits the annual capacity factor for any individual boiler or process heater to less than or equal to 10 percent.

**SECTION IV  
CERTIFICATION**

I certify under penalty of law that, based on information and belief formed after reasonable inquiry, the statements and information contained or referenced in this initial notification report are true, accurate, and complete.

Name of Responsible Official (Print or Type)	Title	Date (mm/dd/yy)
Thomas G. Schellhardt	Vice President Administration & Finance	3-8-05
Signature of Responsible Official		
		

*Note: Responsible official is defined in 40 CFR §63.2, §70.2 and §71.2 and in EPA-approved State title V operating permits programs.*